

Practice A

For use with pages 473-480

Match the solid with its name.

A. cone

B. sphere

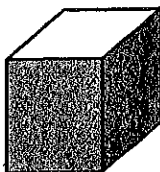
C. rectangular prism

D. rectangular pyramid

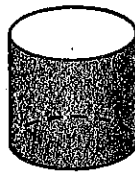
E. cylinder

F. triangular prism

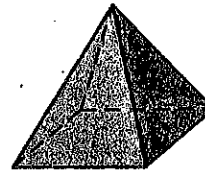
1.



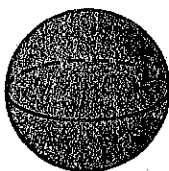
2.



3.



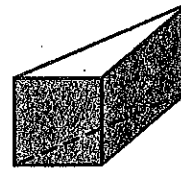
4.



5.



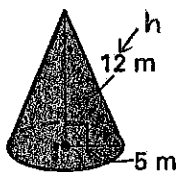
6.



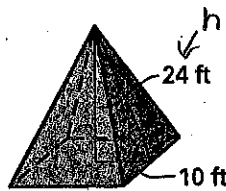
$$c^2 = a^2 + b^2$$

Find the slant height of the solid.

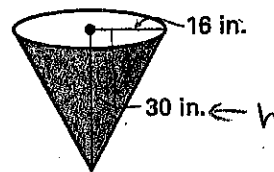
7.



8.

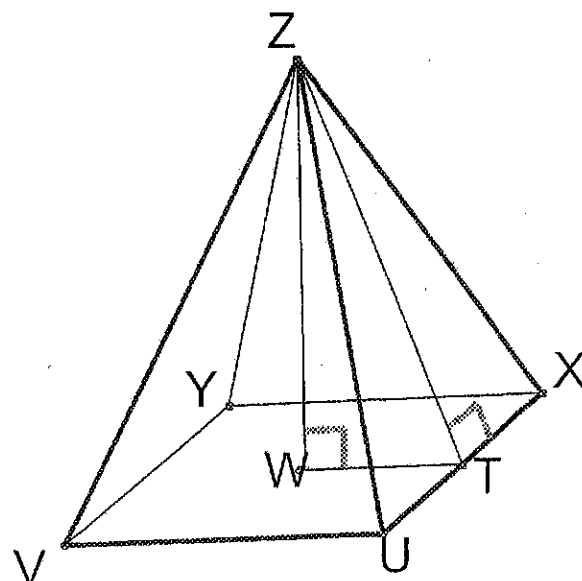


9.

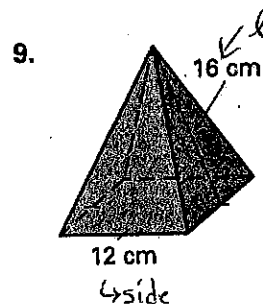
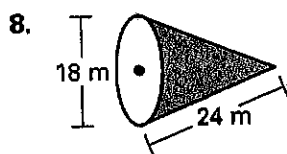
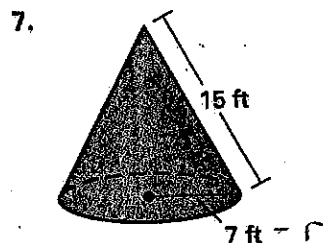
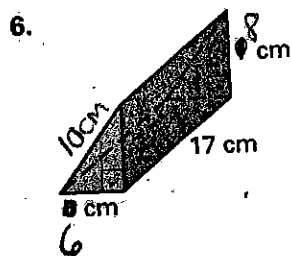
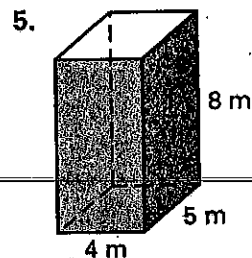
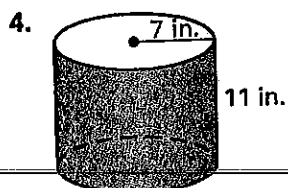


10.

- _____ What shape is the figure?
- _____ What shape is the base?
- _____ What segment is the slant height?
- _____ What segment is the height?
- _____ Name a segment that is a lateral edge.
- _____ Name a segment that is a base edge.
- _____ Name a lateral face.



Find p , B , LA and SA for each shape. Remember, for shapes with a circle base you will need two answers, one π and one decimal.

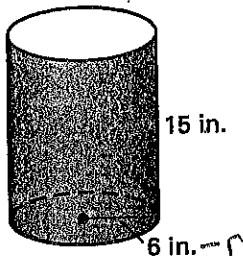


Quiz 2

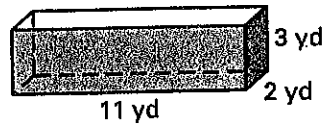
For use after Lessons 9.4-9.6

Find the volume of the solid. Round your answer to the nearest whole number if necessary.

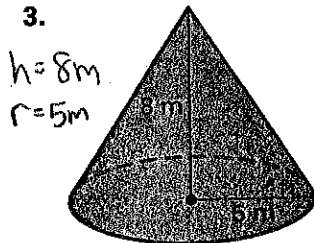
1.



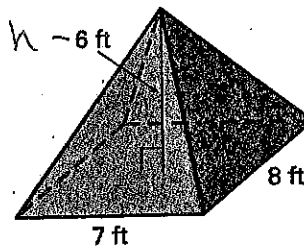
2.



3.



4.



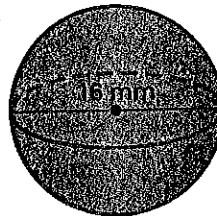
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

← Note: Base is a rectangle, not a square.

5. Find the surface area of the sphere. Round your answer to the nearest whole number.

$d = 16 \text{ mm}$ →



6. Find the volume of the hemisphere. Round your answer to the nearest whole number.

